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PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC SIGNAL AT DETOUR ROAD AND PROSPERITY DRIVE IN MONTGOMERY COUNTY. DETOUR ROAD IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. INTERCONNECT AND INTERSECTION LIGHTING WILL BE PROVIDED

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A FOUR PHASE SEMI-TRAFFIC-ACTUATED MODE WITH EASTBOUND AND WESTBOUND DETOUR ROAD APPROACHES OPERATING CONCURRENTLY. THE PROSPERITY DRIVE APPROACH WILL OPERATE EXCLUSIVELY. EXCLUSIVE/PERMISSIVE LEFT TURN PHASING WILL BE PROVIDE FOR THE WESTBOUND DETOUR ROAD APPROACH WITH A CONCURRENT RIGHT TURN FOR PROSPERITY DRIVE.

CONTROLLER REQUIREMENTS

A FULLY-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE-MOUNTED SYSTEM READY CABINET WITH LAU AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

PROJECT CONTACTS

CONTACTS FOR DISTRICT 3:

MR. CHARLIE WATKINS  
DISTRICT ENGINEER  
PHONE: (301) 513-7300

MR. MAJID SHAKIB  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358

MR. AUGIE REBISH  
DISTRICT UTILITIES ENGINEER  
PHONE: (301) 513-7350

MR. RALEIGH MEDLEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304

THE POWER COMPANY REPRESENTATIVE:  
MS. ELIZA HEMINGWAY  
POTOMAC ELECTRIC POWER COMPANY  
PHONE: (301) 931-2880

CONTACTS FOR MONTGOMERY COUNTY:

MR. BOB GONZALES  
MONTGOMERY COUNTY DPW-ATMS  
PHONE: (240) 777-8761

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
410-787-7676

MR. DAVE SCHWARTZ  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7668

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
---	800000	L.S.	REMOVE AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
---	800000	L.S.	DELIVERY OF SALVAGED MATERIALS

PHASE CHART

	20	21	22	23	24	25	26	27	28	29	30	31	
PHASE 2+5	R	R	*G-/G	*G-/G	G	R	R	R/-G>	DW	DW	DW	DW	
5 CHANGE	R	R	*Y-/G	*Y-/G	G	R	R	R/-Y>	DW	DW	DW	DW	
PHASE 2+6	G	G	G	G	G	R	R	R	WALK	WALK	DW	DW	
2+6 CHANGE	Y	Y	Y	Y	Y	R	R	R	DW	DW	DW	DW	
PHASE 4	R	R	R	R	R	G	G	G	DW	DW	DW	DW	
4 CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	
PHASE 4 ALT	R	R	R	R	R	G	G	G	DW	DW	WALK	WALK	
PED CLEAR	R	R	R	R	R	G	G	G	DW	DW	FL/DW	FL/DW	
4 ALT CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY	DESCRIPTION
1 EACH	TRAFFIC SIGNAL CONTROLLER AND CABINET.
1 EACH	STEEL MAST ARM POLE WITH 40 FT. ARM
2 EACH	STEEL MAST ARM POLE WITH 70' ARM
1 EACH	10' PEDESTAL POLE

NOTES: 1. THE CONTRACTOR SHALL NOTIFY THE SHA AT 410-787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

2. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC NO.	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
NONE			

FINAL  
TRAFFIC SIGNAL



RUMMEL, KLEPPER  
& KAHL, LLP  
CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217  
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION  
DETOUR ROAD AT PROSPERITY DRIVE  
GENERAL INFORMATION SHEET

DESIGNED BY: JCR	F.A.P. NO. SEE TITLE SHEET	TS NO. 4116	SHEET NO. 48 OF 77
CHECKED BY: BLB	S.H.A. NO. M06145170		
SCALE: NONE	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: JUNE 2001	LOG MILE: I50PR000.00		